

SOIL CLASS: 140B CHATFIELD, HOLLIS, CANTON
(SOURCE: USDA-SCS SOIL SURVEY)

BENCH MARKS: ASSUMED DATUM

- #1 SET NAIL ROOT PINE CLUMP ELEV 55.93
- #2 SET NAIL ROOT ELEV 50.80
- #3 SET NAIL ROOT 24" PINE ELEV 49.02

DESIGN INTENT: BED BOTTOM TO BE PLACED
NO LOWER THAN 12" BELOW EXISTING GRADE,
UPSLOPE SIDE (EXIS GRADE = EL 52.0).
60% OF BED AREA DOWNSLOPE FROM EL 50.7

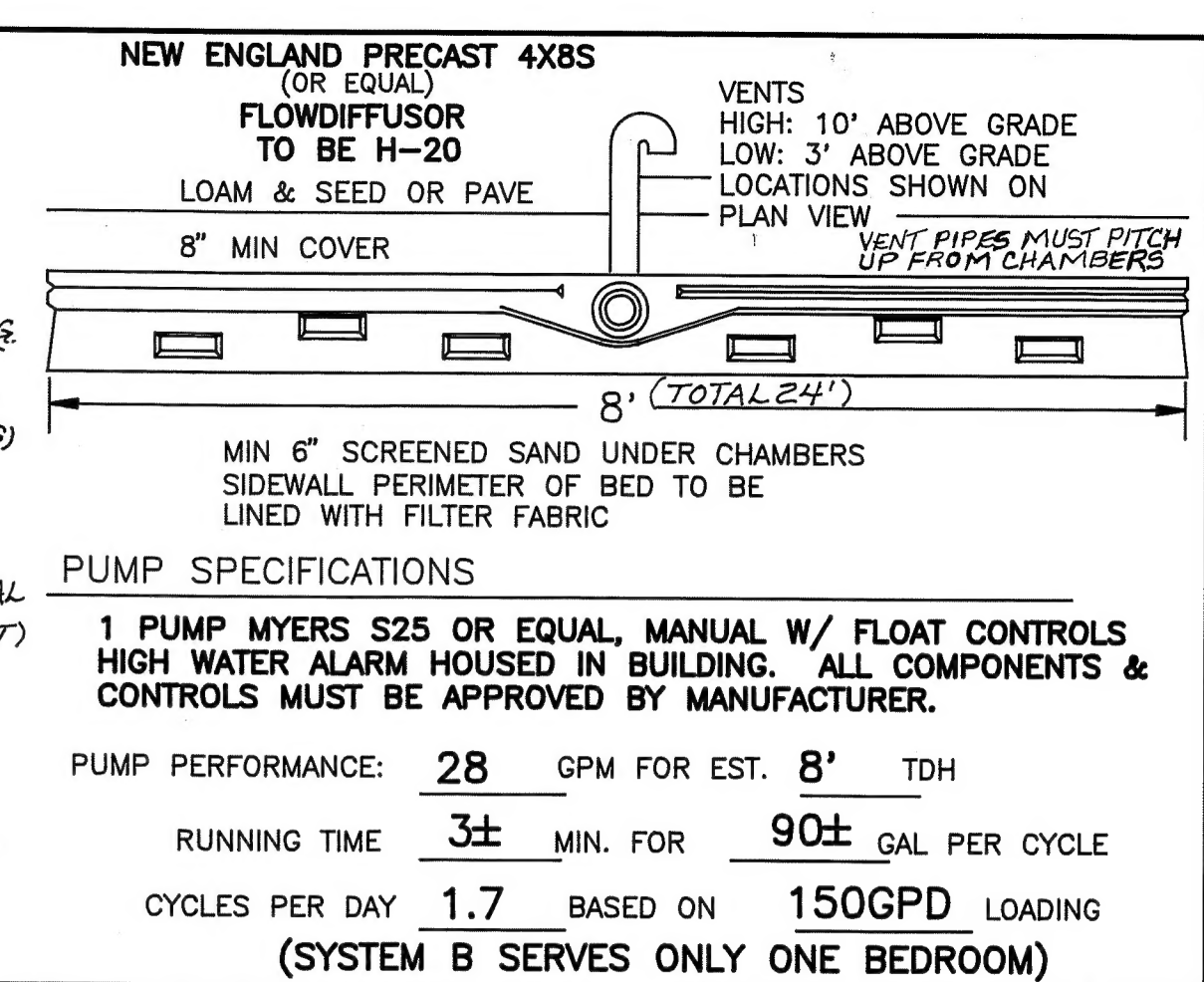
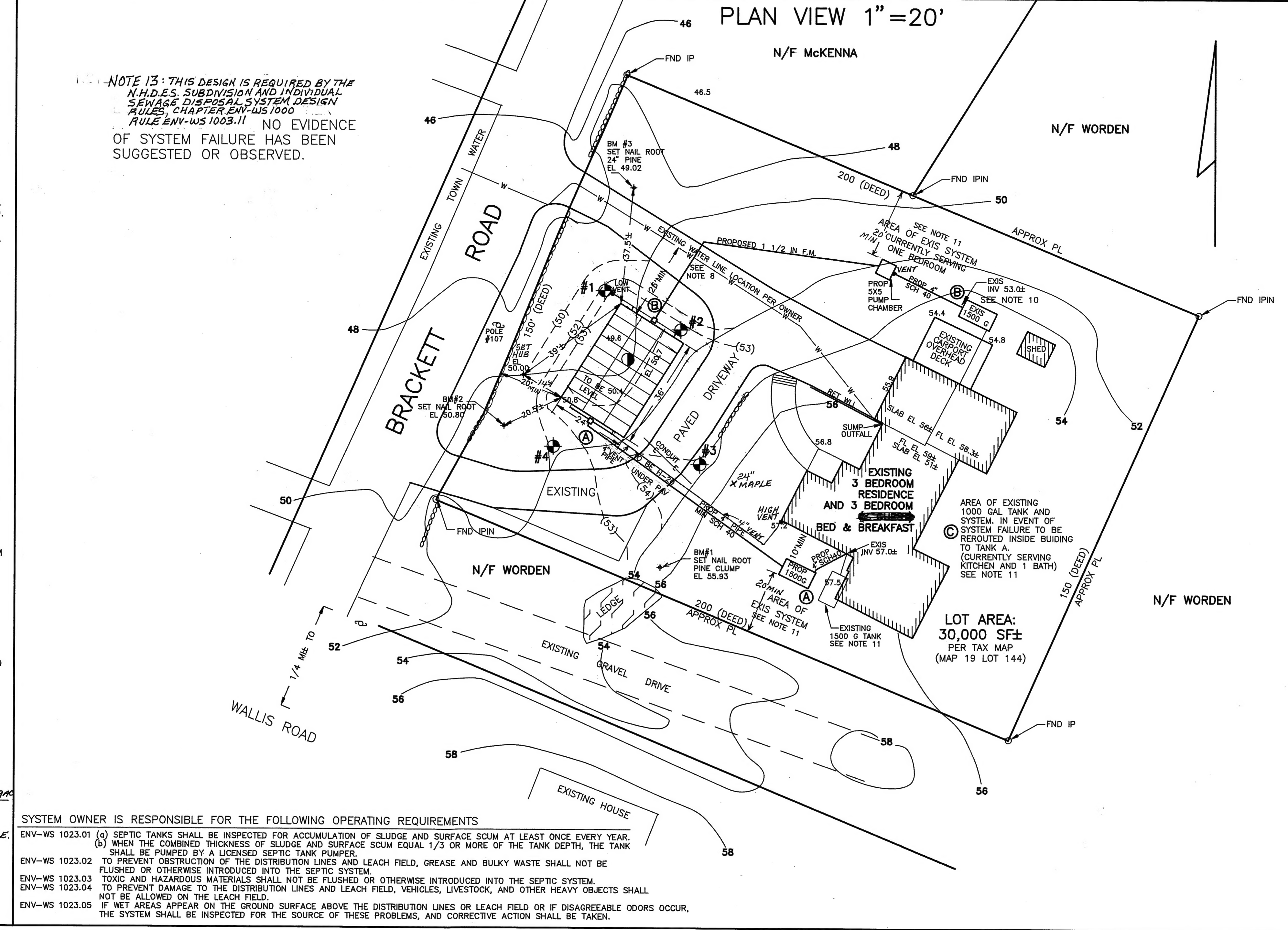
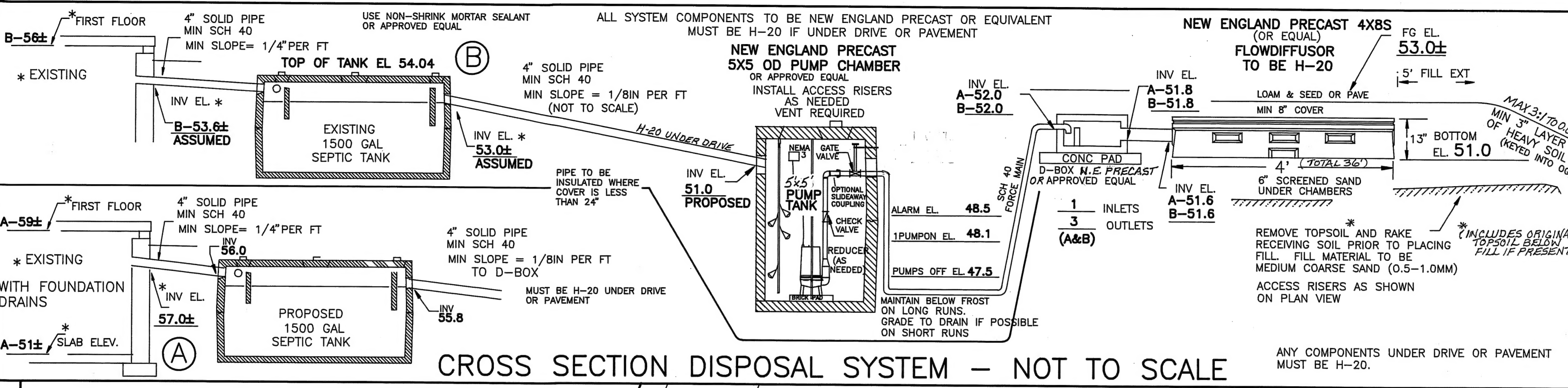
SUITABLE REPLACEMENT AREA:
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION

- NOTES:
- THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
RCRD 2744-2918 RCRD PLAN #21787
 - NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD (CREATED 1951)
 - THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
 - NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.
 - INSTALLER MUST NOTIFY DESIGNER IMMEDIATELY OF ANY DISCREPANCIES FOUND OR CHANGES CONSIDERED TO THIS PLAN.
 - IN EVENT OF CESSATION OF COMMERCIAL USE (BED & BREAKFAST), CHAMBER FIELD SHOWN WOULD MEET AREA REQUIREMENTS FOR 6 BEDROOM HOME WITH ALLOWED 40% REDUCTION.
 - INFORMATION ON LOCATION OF EXISTING SYSTEMS IS PER OWNER.
 - FORCE MAIN TO BE SLEEVED WITHIN 10' OF CROSSING WATER LINE.
 - SEWER PIPE UNDER DRIVEWAY TO BE CAST IRON OR EQUIVALENT TO MEET H-20 SPECIFICATIONS. SEWER LINE TO BE INSULATED WHERE COVER IS LESS THAN 24".
 - INSTALLER TO VERIFY CAPACITY AND PROPER FUNCTION OF EXISTING COMPONENTS INCORPORATED INTO REPLACEMENT DESIGN AND CORRECT BOTH AS NEEDED.
 - INSTALLER TO DETERMINE LOCATION OF ANY COMPONENTS (SEPTIC TANKS, DRY WELLS, ETC) OF SYSTEMS TO BE ABANDONED AND REMOVE OR CRUSH/FILL AS NEEDED.
 - EXTERIOR LIGHTING AND UNDERGROUND ELEC. TO BE REMOVED IN AREA OF SYSTEM.

RESIDENCE AND BED & BREAKFAST
TOTAL 6 BEDROOMS. MAXIMUM UNIT
DESIGN FLOW FIGURE LOADING = 900 GPD.
30,000 SF, GROUP 4, AB SLOPE = 2000X0.6894
1.45
= 950 GPD ALLOWED
SYSTEM IS SIZED BY ACTUAL METERED USE.



TEST PIT DATA

TEST PIT #	ELEV	DATA
TEST PIT #1	ELEV 49.6	0-6" TOPSOIL 6-24" 7.5YR 4/4 TO 4/6 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE 26-32" 2.5Y/4 GRAVELLY LOAMY FINE SAND, GRANULAR FRIABLE 32-60" 2.5Y/4 GRAVELLY FINE SANDY LOAM W/ MOTTLES, SOMEWHAT FIRM IN PLACE, FRIABLE WHEN REMOVED ESHWIT @ 32", LEDGE @ 60", NO OBS WATER
TEST PIT #2	ELEV 51.0	0-8" GRAVELLY SAND FILL 8-12" ORIGINAL TOPSOIL 12-48" 5YR 4/4 TO 4/6 GRAVELLY FINE SANDY LOAM WITH STONES, GRANULAR FRIABLE ESHWIT @ 48", LEDGE @ 60", NO OBS WATER
TEST PIT #3	ELEV 53.7	0-10" 2.5Y 5/4 LOAMY FINE SAND, GRANULAR FRIABLE 10-20" OLD GRAVEL FILL 20-24" ORIGINAL TOPSOIL 24-48" 7.5YR 4/4 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE 48-66" 10YR 5/6 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE, MOTTLED ESHWIT @ 48", LEDGE @ 66", NO OBS WATER
TEST PIT #4	ELEV 51.9	0-14" GRAVEL FILL, COMPACTED 14-30" 7.5YR 4/4 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE 30-44" 10YR 4/6 GRAVELLY MEDIUM TO COARSE SANDY LOAM, GRAN. FRIABLE TO LOOSE 44-60" 2.5Y 5/4 GRAVELLY LOAMY FINE SAND, MOTTLED, FIRM IN PLACE, FRIABLE REMOVED ESHWIT @ 44", LEDGE @ 60", NO OBS WATER

PERC TEST DATA

DATE	PERC RATE
5/4/99	4 MIN/IN

DESIGN LOADING: ONE YEAR WATER USAGE (PER RYE WATER DISTRICT RECORDS) - 88,000 GALLONS.
88,000/365 = 241 AVERAGE GPD USE
241 X PEAK FACTOR 2.5 = 602 SAY 600 GPD

AREA REQUIRED: 600GPD @ 140 SF PER 100 GPD = 840 SF

AREA PROPOSED: USE 27 4X8 CHAMBERS AS SHOWN FOR 24 X 36 = 864 SQUARE FEET PROVIDED

PROPOSED REPLACEMENT *
SEPTIC SYSTEM PLAN
* THIS DESIGN TO BE IMPLEMENTED ONLY IN EVENT OF FAILURE OF EXISTING SYSTEMS.
ARBOR INN
LOCUS: 400 BRACKETT ROAD
RYE, NEW HAMPSHIRE
OWNER: JOANNE FAGGIANO
400 BRACKETT ROAD
RYE, NEW HAMPSHIRE

APPLICANT:
STOCKTON SERVICES
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DATE: 6/10/99
APPROVAL: CA1999021765
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